

**PHG Needs Assessment Calculator**  
**Senegal**  
**Health Services**

Welcome to the PHG Health Needs Assessment Calculator for Health Services. The contents of this file are listed below.

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Country demographic, maternal health and socioeconomic indicators	Demography
Country health-service data	HealthServices
Health services: Birth prevalence estimates for various congenital disorders	HSER-NA1

**Senegal**  
**Shared Data**  
**Demographic, maternal health and socio-economic indicators**

Please read first! If you have already completed a needs assessment for a different topic in this country, you will be able to copy the Demography information from that Calculator into here. The information should be the same.

By default, the Toolkit contains information at the national level.

If you would like to use a different population, then replace country information with that of your specific population of interest.

Number of persons by age-group and sex Age group	Estimates			Your estimates			Chosen estimates		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
0-4 years	2272126	2272297	4544423			0			0
5-9 years	1998157	2002895	4001052			0			0
10-14 years	1757111	1752040	3509151			0			0
15-19 years	1324222	1383921	2708143			0			0
20-24 years	981994	1193586	2175580			0			0
25-29 years	831129	947412	1778541			0			0
30-34 years	708138	711935	1420073			0			0
35-39 years	492372	528596	1020968			0			0
40-44 years	400433	427884	828317			0			0
45-49 years	257694	285168	542862			0			0
50-54 years	223345	262715	486060			0			0
55-59 years	149792	176083	325875			0			0
60-64 years	173325	190440	363765			0			0
65+ years	359965	377309	737274			0			0
Total	11929803	12512281	24442084	0	0	0	0	0	0
Female population aged 15-44 years		5193334			-			-	
Data year	2002 reported in 2004								
Source, Year	UN 2011								

**Ethnicity. Please enter data for the main ethnic groups if you are working with a population that is different from that of the country.**

Ethnic group	Number	% population

Fertility and mortality	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year

Crude birth rate: live births (LB) / year / 1000 population	36.84	Unicef, 2013				
Still birth rate (SB): Still births (SB) / year / 1000 total births	33.79	WHO, 2009				
Total births in 1000s (LB+SB) per year	471	Unicef, 2013				
Infant mortality rate: infant deaths / 1000 LB / year	46.7	Unicef, 2013				
Under-5 mortality rate: U5 deaths / 1000 LB / year	64.8	Unicef, 2013				
Percentage births in women >35 years						
Life expectancy at birth (yrs)	59.32	Unicef, 2013				
% of marriages consanguineous						

<b>Maternal health</b>	<b>Estimate</b>	<b>Source, Year</b>	<b>Your estimate</b>	<b>Source, Year</b>	<b>Chosen estimate</b>	<b>Source, Year</b>
Prenatal visits – at least 1 visit (%)	93.3	Unicef, 2013				
Prenatal visits – at least 4 visits (%)	50.0	Unicef, 2013				
Births attended by skilled health personnel (%)	65.1	Unicef, 2013				
Contraception prevalence rate (%)	13.1	Unicef, 2013				
Unmet need for family planning (%)	31.6	WHO, 2005				
Total fertility rate	4.74	Unicef, 2013				
% home births						
% births at health care services	72.80	Unicef, 2013				
<b>Newborn health</b>	<b>Estimate</b>	<b>Source, Year</b>	<b>Your estimate</b>	<b>Source, Year</b>	<b>Chosen estimate</b>	<b>Source, Year</b>
Number of neonatal examinations by SBA / trained staff						
% neonatal examinations by SBA/ trained staff						

<b>Socio-economic indicators</b>	<b>Estimate</b>	<b>Source, Year</b>	<b>Your estimate</b>	<b>Source, Year</b>	<b>Chosen estimate</b>	<b>Source, Year</b>
Gross national income per capita (PPP int. \$)	1960	Unicef, 2013				
% population living on < US\$1 per day	33.5	Unicef, 2013				
Birth registration coverage (%)	74.6	WHO 2010-				
Death registration coverage (%)		WHO 2011				

LB = live births

PPP = purchasing power parity

SBA = skilled birth attendant

**Senegal**  
**Shared Data**  
**Health services data**

**Please read first!** If you have already completed a needs assessment for a different topic in this country, you will be able to copy the Health Services information from that Calculator into here. The information should be the same.

This section provides health-service-related information for your country.

**By default, the Toolkit contains information at the national level.**

**If you would like to use a different population, then replace country information with that of your specific population of interest.**

<b>Health Expenditure</b>	<b>Estimate</b>	<b>Source, Year</b>	<b>Your estimate</b>	<b>Source, Year</b>	<b>Chosen estimate</b>	<b>Source, Year</b>
Per capita total expenditure on health (PPP int. \$)	118.5	WHO 2011				
Total expenditure on health as percentage of GDP	6	WHO 2011				
Per capita government expenditure on health (PPP int. \$)	69.1	WHO 2011				
External resources for health as percentage of total expenditure on health	2.7	WHO 2011				
General government expenditure on health as percentage of total expenditure on health	58.3	WHO 2011				
Out-of-pocket expenditure as percentage of private expenditure on health	78.5	WHO 2011				
Private expenditure on health as percentage of total expenditure on health	41.7	WHO 2011				
General government expenditure on health as percentage of total government expenditure	11.9	WHO 2011				

<b>Health Workforce</b>	<b>Estimate</b>	<b>Source, Year</b>	<b>Your estimate</b>	<b>Source, Year</b>	<b>Chosen estimate</b>	<b>Source, Year</b>
Number of nursing and midwifery personnel	5254	WHO, 2008				
Nursing and midwifery personnel density (per 10,000 population)	4.2	WHO, 2008				
Number of physicians	741	WHO, 2008				
Physician density (per 10 000 population)	0.59	WHO, 2008				
Number of obstetricians						
Number of paediatricians						
Number of paediatric surgeons						
Number of paediatric cardiac surgeons						
Number of paediatric neurosurgeons						
Number of clinical geneticists						
Number of genetic counsellors						
Number of community health workers						
Number of skilled birth attendants (SBA)						

Density of SBA						
Number of lab staff providing cytogenetic testing						
Number of lab staff providing molecular genetics						
Number of lab staff providing biochemical tests for genetics						
Number of skilled health attendants						

<b>Infrastructure</b>	<b>Estimate</b>	<b>Source, Year</b>	<b>Your estimate</b>	<b>Source, Year</b>	<b>Chosen estimate</b>	<b>Source, Year</b>
Number of maternity units						
Number of services providing specialised care for people with CD						
Number of family planning services						
Number of preconception services						
Number of services providing prenatal care						
Number of services providing newborn care						
Number of facilities providing genetic services						
Number of laboratories providing cytogenetics						
Number of laboratories providing molecular genetics						
Number of laboratories providing biochemical tests for genetics						
Number of facilities for safe terminations of pregnancies for fetal defects						

PPP = purchasing power parity

GDP = gross domestic product

SBA = skilled birth attendant

CD = congenital disorders

**Senegal****Health services****Health services: Birth prevalence estimates for various congenital disorders**

Conditions	Global prevalence per 1000 LB	Country prevalence per 1000 LB	Country number of births annually
Down's syndrome			
Sex chromosomal disorders			
Chromosomal disorders (all)			
Congenital heart disease			
Neural tube defects			
Orofacial clefts			
Other malformations			
Malformations (all)			
Sickle cell disease			
Thalassaemias			
Haemoglobin disorders (all)			
Other recessive single gene disorders (SGD)			
Dominant SGD			
X-linked SGD			
All SGD of clinical significance			
Rhesus haemolytic disease			
G6PD deficiency			
Environmental causes (all)			
Unknown causes			

LB = live births